

DDI

DISPERSE DYES FOR POLYSTER

DDI

DOLPHIN BRAND

DOLPHIN

DYE STUFF INDUSTRIES

(Mfg & Exporter of Dyestuff & Chemicals)

MUMBAI (INDIA)

DEVEELENE DYES

Deveelene consist of a complete range of Azo, Quinoline and anthraquinone based disperse dyes suitable for application on polyester.

The accompanying illustration shows Deveelene dyes on 100% polyester fabric at different concentrations in dyeing and also their respective fastness characteristics relevant to their application and end use.

Dyeing of Deveelene dyestuffs on Polyester

A typical dyeing formulation consists of:

X%	Deveelene dyestuff
1-2 gpl	Dispersing Agent
0.1 to 0.5 gpl	Sequester E liq.
1 gpl	Acetic acid
1 gpl	Levocol ELD
Temperature	130°C
Time	30 mins.
MLR	1:10
pH	4.5

Printing of Deveelene dyes on polyester

Printing Recipe:

X	parts	Deveelene dyestuff dispersed in
250	parts	soft water
5-10	parts	Citric/tartaric acid
700	parts	Gum Indalca (8% paste)
1000	parts	Paste pH-4.5

Steaming 30 psi — 30 mins. (Pressure Steaming)

OR

175°C — 8 mins. (HT/Steaming)

Reduction Clear:

The material is treated at 70°C for 30 minutes in both containing.

2-3 g/l Caustic Soda
2-3 g/l Sod. Hydrosulphite

It is then washed thoroughly and carried forward for soaping.

Unless due precaution is exercised in dyeing, following dyes, tend to produce unlevelness in exhaust dyeing.

Deveelene Yellow FFL,
Deveelene G. Yellow GG 200%,
Deveelene Red Violet FBL 200%,
Deveelene Violet 3R 200%,
Deveelene Blue SE2RL 200%.

Abbreviations:

VG	—	Very Good
G	—	Good
M	—	Moderate
P	—	Poor
ND	—	Non Dischargeable
D	—	Dischargeable
✓	—	Suitable
—	—	Can be applied or Not recommended
●	—	Suitable
○	—	Not suitable
C.T.Z.	—	Critical Temperature Zone

Fastness Properties:

Light	:	1 to 8 in increasing order. 8 represent highest fastness.
Washing & Other	:	1 to 5 in increasing order. 5 represent highest fastness.

THIS INFORMATION IS PROVIDED IN GOOD FAITH, TO THE BEST OF OUR KNOWLEDGE AND WITHOUT LIABILITIES.

PATTERNS

DEVEELENE[®] DISPERSE DYES

ON POLYESTER

	BRILL. YELLOW FFG <i>DISP. YELLOW 124</i>
	YELLOW 7GL <i>DISP. YELLOW 229</i>
	YELLOW CL
	YELLOW C4G
	YELLOW 3G <i>DISP. YELLOW 64</i>
	G. YELLOW GG <i>DISP. YELLOW 56</i>
	YELLOW BROWN REL <i>DISP. ORANGE 61</i>
	ORANGE FRL <i>DISP. ORANGE 25</i>
	SCARLET RR <i>DISP. RED 54</i>
	BROWN 3REL <i>DISP. RED 118</i>
	BRILL. RED RGL <i>DISP. RED 202</i>
	RED BEL <i>DISP. RED 92</i>

0.5 & 3.0%

FASTNESS PROPERTIES							DYEING PROPERTIES				PRINTING METHOD		DISORGEABILITY
LIGHT	DRY HEAT FOR 30 SEC. STAINING ON POLYESTER		WASH 95°C	PERSPIRATION	SULF. ACID	ONE BATH POLYESTER WOOL DYEING	HT DYEING 130°C	CARRIER DYEING 100°C	LEVELLING AT 130°C	C.T.Z. (°C)	PRESSURE STEAM	THERMO SOL	Zn/Nd SULPHOXYLATE FORMALDEHYDE
	180°C	210°C											
6-7	5	4-5	4-5	4-5	5	—	G	G	M	115-130	✓	✓	ND
3-4	4	2-3	4-5	5	5	●	G	G	M	110-125	✓	—	D
3-4	4	2-3	4-5	5	5	●	G	G	M	110-125	✓	—	D
5-6	4-5	4	5	5	5	●	G	G	G	110-120	✓	✓	D
6-7	4	3	4-5	5	5	●	G	G	M	110-130	✓	X	ND
5-6	4-5	4	4-5	5	5	●	G	M	M	100-130	✓	✓	D
6-7	4-5	3-4	5	5	5	●	G	M	M	100-130	✓	✓	D
6	3-4	2	5	5	5	—	VG	G	M	100-120	✓	X	D
5-6	4-5	3-4	4	5	5	●	G	G	G	100-120	✓	✓	D
5-6	4-5	3-4	5	5	5	○	G	M	G	115-130	✓	✓	D
6	5	4-5	5-6	5	5	○	G	M	G	110-120	✓	✓	D
6-7	4-5	4	4-5	5	5	—	G	M	G	110-130	✓	✓	ND

DEVEELENE[®] DISPERSE DYES

ON POLYESTER

	PINK REL <i>DISP. RED 91</i>
	RED FB <i>DISP. RED 60</i>
	RED 2B <i>DISP. RED 167</i>
	RUBINE GFL <i>DISP. RED 73</i>
	VIOLET 6R <i>DISP. RED 11</i>
	RUBINE 3B <i>DISP. VIOLET 33</i>
	RED VIOLET FBL <i>DISP. VIOLET 26</i>
	VIOLET 5R <i>DISP. VIOLET 25</i>
	VIOLET 3R <i>DISP. VIOLET 63</i>
	BLUE GSL <i>DISP. BLUE 165</i>
	BLUE BGF <i>DISP. BLUE 22</i>
	BLUE SE2RL <i>DISP. BLUE 183</i>

0.5 & 3.0%

FASTNESS PROPERTIES							DYEING PROPERTIES				PRINTING METHOD		DISCHARGEABILITY
LIGHT	DRY HEAT FOR 30 SEC. STAINING ON POLYESTER		WASH 95°C	PERSPIRATION	SULF. ACID	ONE BATH POLYESTER WOOL DYEING	HT DYEING 130°C	CARRIER DYEING 100°C	LEVELLING AT 130°C	C.T.Z. (°C)	PRESSURE STEAM	THERMOSOL	
	180°C	210°C											
6	4	3-4	5	4	5	●	G	P	G	110-130	✓	✓	ND
6-7	3-4	2	4-5	4-5	5	●	G	G	M	100-130	-	-	ND
7	4-5	3-4	4-5	4-5	5	-	G	M	G	100-125	✓	✓	D
6	4	3	5	5	5	-	G	G	G	100-125	✓	✓	D
5-6	4-5	2-3	5	5	5	-	G	M	G	110-120	✓	X	ND
5-6	5	4-5	5	5	5	-	G	M	G	100-120	✓	✓	D
6	4	3	4-5	5	5	○	G	G	M	100-120	✓	✓	ND
6	4	3	4-5	5	5	○	G	G	M	110-125	✓	X	ND
5-6	3-4	3	5	5	5	○	G	M	G	100-125	✓	✓	D
5-6	4	3	4-5	5	5	-	G	G	M	115-130	✓	✓	D
6-7	5	5	5	4-5	5	-	G	G	P	110-125	✓	X	D
5-6	4	3	4-5	5	5	○	G	M	P	100-125	✓	✓	D

DEVEELENE[®] DISPERSE DYES

ON POLYESTER

	BLUE 2RX <i>DISP. BLUE 56</i>
	BLUE 5G <i>DISP. BLUE 149</i>
	N. BLUE 3GD <i>DISP. BLUE 79</i>
	N. BLUE RE <i>DISP. BLUE 94</i>
	GREEN 2G
	BRILL. GREEN 2B
	GREEN 6B
	KHAKHI 2RB
	BROWN AS
	BROWN 3FS
	BROWN 4RL
	BLACK GL*

0.5 & 3.0%

* 1% & 8% shed

FASTNESS PROPERTIES							DYEING PROPERTIES				PRINTING METHOD		DISCHARGEABILITY
LIGHT	DRY HEAT FOR 30 SEC. STAINING ON POLYESTER		WASH 95°C	PERSPERSION	SULF. ACID	ONE BATH POLYESTER WOOL DYEING	HT DYEING 130°C	CARRIER DYEING 100°C	LEVELLING AT 130°C	C.T.Z. (°C)	PRESSURE STEAM	THERMOSOL	
	180°C	210°C											Zn/S ₂ SULPHOXYLATE FORMALDEHYDE
6-7	3-4	2	4-5	5	5	●	G	G	M	110-120	✓	X	ND
5-6	5	5	5	5	5	—	G	P	G	110-130	✓	✓	D
5-6	4-5	4	4-5	4-5	4	●	G	P	G	110-130	✓	✓	D
6	5	4-5	5	5	5	●	G	P	G	110-130	✓	✓	D
5-6	4-5	2-3	5	5	5	—	G	M	G	110-130	✓	X	ND
4-5	4-5	4	4-5	5	5	●	G	M	M	110-130	✓	✓	D
6	4	3	4-5	5	5	○	G	G	M	100-130	✓	✓	ND
5-6	4-5	3-4	4-5	4-5	4	—	G	P	G	100-130	✓	✓	D
5-6	4-5	3-4	4-5	4-5	4	—	G	P	G	100-130	✓	✓	D
5-6	4-5	3-4	4-5	4-5	4	—	G	P	G	100-130	✓	✓	D
5-6	4-5	3-4	4-5	4-5	4	—	G	P	G	100-120	✓	✓	D
6-7	5	5	5	4-5	5	—	G	G	P	100-125	✓	X	ND

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